WE CLAIM:

- 1. An ultraviolet (UV) water disinfector, comprising:
 - a feed water delivery system,
 - an inlet chamber housing at least a portion of the feed water delivery system,
- a baffle wall downstream of the feed water delivery system, the baffle wall having a plurality of spaced perforations,
 - an air-suspended UV lamp, and
- a treatment chamber beneath the UV lamp downstream of the baffle wall, wherein water is driven by gravity at a flow rate of 8 liters per minute or less.
- 2. The UV water disinfector of claim 1, wherein said feed water delivery system is adapted to connect to a household tap.
- 3. The UV water disinfector of claim 1, further comprising a notch in said inlet chamber adapted to allow excess water to overflow, and an outer shell adapted to collect water which overflows.
- 4. The UV water disinfector of claim 1, wherein the UV lamp is adapted to provide narrowband UV radiation.
- 5. The UV water disinfector of claim 4, wherein the UV lamp uses less than 25 watts of power.
- 6. The UV water disinfector of claim 5, wherein the UV lamp uses less than about 20 watts of power.
- 7. The UV water disinfector of claim 6, wherein the UV lamp uses about 8 15 watts of power.
- 8. The UV water disinfector of claim 1, wherein the feed water delivery system has a flow rate of about 4 liters per minute or less.
- 9. The UV water disinfector of claim 1, wherein the feed water delivery system has a flow rate within a range of about 1-3 liters per minute.
- 10. The UV water disinfector of claim 1, having a length of about 48 cm or less, a width of about 19.5 cm or less, and a height of about 15.75 cm or less.
- 11. The UV water disinfector of claim 1, having a length of 40 cm or less, a width of 16.25 cm or less, and a height of 13.125 cm or less.

- 12. The UV water disinfector of claim 1, having a length within a range of about 35.2 28.8 cm, a width within a range of about 14.3 11.7 cm, and a height within a range of about 11.55 9.45 cm.
 - 13. An ultraviolet (UV) water disinfector, comprising:
 a feed water delivery system,
 an inlet chamber housing at least a portion of the feed water delivery system,
 a baffle wall downstream of the feed water delivery system, the baffle wall
 having a plurality of spaced perforations,
 - an air-suspended UV lamp using 20 watts of power or less, and a treatment chamber beneath the UV lamp downstream of the baffle wall.
- 14. The UV water disinfector of claim 13, wherein the feed water delivery system and treatment chamber are configured to deliver water, under influence of gravity, at a rate of less than about 8 liters per minute.
- 15. The UV water disinfector of claim 13, wherein the UV lamp comprises a low pressure mercury lamp.
- 16. The UV disinfector of claim 13, having a length of about 40 cm or less, a width of about 16.25 cm or less and a height of about 13.125 cm or less.